

**Notice of Allowability**

Application No.

09/727,612

Examiner

Lewis A. Bullock, Jr.

Applicant(s)

SIEVERT, JAMES A.

Art Unit

2127

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed 9/20/04.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☒ The drawings filed on 12/01/01 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**LEWIS A. BULLOCK, JR.**  
**PRIMARY EXAMINER**

### **REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance: The claims are allowable for at least the following reason: The cited claims detail defining in a source program a first structure type, a plurality of objects of the structure type, and a first class that derives from the structure type, wherein the class includes a static method configured to convert an object of the structure type to an instance of the class in response to a reference to the method. None of the cited prior art of record teach a source program having the cited defined class that includes a static method configured to convert an object of the structure type to an instance of the class in response to a reference to the method. Applicant has disclosed prior art techniques of persisting objects in a source program wherein the programmer can group together commonly referenced data to make access more efficient such that there exist no dynamic allocation of objects because the allocation of memory for the objects occur at compile time. Furthermore, attribute assignments are done at compile time (See specification, page 5-6, in particular Listing 1). However, the prior art source code technique does not teach the first class including a static method configured to convert an object of the structure type to an instance of the class in response to a reference to the method. The remaining prior art references, in particular U.S. Patent 6,505,211 herein Dessloch or U.S. Patent 6,769,124, herein Schoening does not cure the prior art technique. Dessloch teaches a technique that provides for the persistence of Java classes, however, the semantics of the technique are not specified as part of the class definition. As argued by Applicant, this is clearly different from the novel technique of encoding the

semantics (the static method) as part of the class definition. Therefore, Dessloch does not teach defining in the first class of the source code a static method configured to convert an object of the structure type to an instance of the class in response to a reference to the method as defined in the claims and therefore is allowable over the cited prior art of record. Other prior art of record at best teaches labeling data attributes of class structures as persistent or non-persistence such that during compile-time they are processed accordingly. Again, as detailed above, this technique is different from Applicant's novel technique of defining in the first class of the source code a static method configured to convert an object of the structure type to an instance of the class in response to a reference to the method as defined in the claims and therefore is allowable over the cited prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

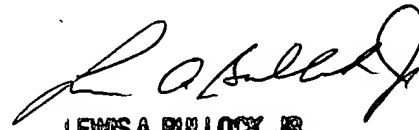
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis A. Bullock, Jr. whose telephone number is (571) 272-3759. The examiner can normally be reached on Monday-Friday, 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2127

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 17, 2005



LEWIS A. BULLOCK, JR.  
PRIMARY EXAMINER